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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/001,883

DATE: 12/13/2001

TIME: 08:51:17

Input Set : A:\dex-271.ST25.txt

Output Set: N:\CRF3\12132001\I001883.raw

05

3 <110> APPLICANT: Macina, Roberto
4 Recipon, Herve
5 Pluta, Jason
6 Ghosh, Malavika
7 Sun, Yongming
8 Liu, Chenghua
10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific Genes
and Proteins
12 <130> FILE REFERENCE: DEX-0271
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/001,883
C--> 14 <141> CURRENT FILING DATE: 2001-11-20
14 <150> PRIOR APPLICATION NUMBER: 60/252,059
15 <151> PRIOR FILING DATE: 2000-11-20
17 <160> NUMBER OF SEQ ID NOS: 137
19 <170> SOFTWARE: PatentIn version 3.1
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22 <211> LENGTH: 453
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapien
26 <400> SEQUENCE: 1
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31 ataagtaatt gaaaatgtaa ctactaatta ttggtaattt aaatagaaga tttattgatt 180
33 aataatgtaaa ccatatggta tagagtctac attatggaat agaatgtggg tgatgaagat 240
35 cctttcccat acctttttt ctataatccg gagaatgaga tattcaatct ggtatttgag 300
37 attcttagtc ataattgtgg gtaaccttta gtcatctaac tcttttatat gtcccttgaa 360
39 tgttgaaagt acctcgccgc cggacacgct aagccgaatc tgcggaatca tcacacgggg 420
41 gcggcgagct gatctgaggg gcaaatggcc ata 453
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45 <211> LENGTH: 228
46 <212> TYPE: DNA
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49 <400> SEQUENCE: 2
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52 aatgaacatg ttaaaaaact gttatgtggc aggcaactggg gcttgggatt gggaaatcca 120
54 tctacctatc tctgcttaca ggattcatct agggggcag atggacaaat aaagaatgaa 180
56 tttcagttatg atatgtaaa tgccatgata aagtaagtaa gtacctgc 228
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60 <211> LENGTH: 689
61 <212> TYPE: DNA
62 <213> ORGANISM: Homo sapien
64 <400> SEQUENCE: 3
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67 gataaccagt tgtaccgtct cgaccactag aacgccccca gttgctgaat tcgcttagcg 120
69 tgtcgcgcgcg aggtacccccc tccatagtcc caacagctaa cctctctgtt tactggacat 180
71 tccccgcgtgg atctaatacc aaactttacg agtctaactg ctaactcagg atgataatca 240
73 tgaccacatt cctggtcacg aacaacatgg tataatgttt gtcaccagtg atataataac 300
75 atacaacata tgacattaca tttcaacaag tgaatttaca cttttcatcc ccattccagt 360

ENTERED

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Input Set : A:\dex-271.ST25.txt

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79	ttcagttgt aacatggtaa ggcacacaca cacttggag ccatgtgttc acttttcatc	480
81	acagcacacc ctgacacata acgcaaacat tacatttctg ttccatctt tcattacaca	540
83	tcaggaccat actaaaccac aatcattcat cattacatc aacacatcac acgttacaaa	600
85	gaaaactcac tcagcaacat aaacaaacgg atattcactt gaactcttct ctgggttgc	660
87	atgattttct attaattagt agtacctga	689
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98	<223> OTHER INFORMATION: a, c, g or t	
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104	ttaaatgcc acataaattt tagcatcagc ttgccaatat ctggaaagaa agcaaggtga	120
106	aatttggta gggattgtgt caagtctgta tattctttt gggtaatca ccattttgaa	180
108	aatattaatt ctcccaataa atgagtataa aatgtctttt catttgttta ggtatttta	240
110	ttcctgtaaa cattattttg tggttccag atgattggtt tttcagttct tttgttaat	300
112	ttattcccaa gtatttttatt tatttcgtt gtattgtaaa tggattgtct ttccctaatt	360
114	ccatttcgtt atttttcatt gcaactgtat agacatacaa tagaatattt tgtattgaac	420
116	ttacatctg caacccatgaa aaactcattt attatatcta agaggtctt agtgcatttt	480
118	ttatgatttt ctgcataaca gatcatgtca ttataaattt gggaaagatatt aatttttaatt	540
120	tttcccttcc cattttacat gccttttattt tcattttctt acaaatttat ttatttagag	600
122	atgcttagtac ctcggncggg accaagctaa agcgaatctg gagatataa tcaactgggg	660
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130	<213> ORGANISM: Homo sapien	
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135	aagattgcaa ggtctccatc gaattccatc acaaagtttta aaagcaattt aaaattactc	120
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150	cgatttttc ttccagagccg gtaaaggggac caattcggtt attcccaatc gttttaatct	180
152	aacggcatag agggataaca cattaaaact tcttagagta ggattggtaa attttttaa	240
154	attagcacca atccatttgtt ctttccat atataggggac tattactttt caattggac	300
156	caggtAACAA ccaAGTATGG tacttggggcc gggacaagg ttaaggcgga attcggagag	360
158	atttccatTAaaactggggg gccgggttcaa gatggattttt aaaggggccc aatttccggcc	420
160	caatttaggag gtggatttac atttcaactgg gcggtgggtt acaacgggtcg gggatgggaa	480
162	aaACCCGGGG ggtacccat ttaatggctt ggagaaatcc ttaagaaaa a	531



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168 <213> ORGANISM: Homo sapien
170 <400> SEQUENCE: 7
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173 gcccctgagt ttatacgctcc cttaggcgc attggccct ttatgccttc tccgcggccc    120
175 cccctgtggt gggatttccg gaatctgtt ttgtcggccc ccccgacg gttccgtggc    180
177 ggagcggcgg gtttccctc gcgcgggcca caatgggct cgaggccctc gggccgagta   240
179 taccggccccc cctggacccc gcctgtttcc cccctgtgg acgcttgc ttttggccc   300
181 tggcacagtt tttccccccc cgggttttcg ttttcggggt cacccttgc ccagacact  360
183 cgtgaaatct ttttaagac tcctcatctc ctttagatggc catcgactca ttcatgggcc 420
185 tttggatgtc tctctatcct gctgctctgg ttaggcagt ctacagtgtg agcacccaag 480
187 gggtaacaac cagaatggct tcgctgaaat cctgcttcat gttgagtaac ttcctcttt 540
189 acttgttgct cggaaagctgt cccaccttgc gtgactcata actaacatgc atgactgtat 600
191 atgcaactaac attacattat aaaaatgacc actaacccggc ccgggtaacg ggcacttatg 660
193 gataaacgta tctcaactta acacagaggt agtacccgaa cttaactgagt atcctcgaaa 720
195 cactgtttgg ccacatgtc aggaataatg gtggactta ctcagtcctc cgaggagtt 780
197 tcactgaatt acgggtatag gattgctcgc ctaacatgag gtttataaag ctcacacttc 840
199 tttgcattt gctgatgtct agcacaccat atgatgt                         877
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203 <211> LENGTH: 327
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212 agtcaggagt gccttagatg atctccaatt tcctctccac tctgtatgtc tcatccatg 180
214 ctcccgtagt tcatttcttc aatgtcggt tgcctctaaa tcagggaaata tacctggcca 240
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218 gtgtttctat tttcccggt aagagcc                         327
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227 <221> NAME/KEY: misc_feature
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229 <223> OTHER INFORMATION: a, c, g or t
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235 <223> OTHER INFORMATION: a, c, g or t
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239 <221> NAME/KEY: misc_feature
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Input Set : A:\dex-271.ST25.txt
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267 aattcccgct tatgcgttgg tccccggccc gaggttagga aaccgtgtt cctatcccaa	180
269 actggaccct agagataaaa gggaaagaga t gatgtttt t gatattc tacaccccca	240
271 ccacttattt gattctctgt taaataccaa gtatgtatgt atgtaaagt g ttttgtcct	300
273 aatgttgc ta ccccannt ggcaananga aacacanaca atataaacac acacaaaacg	360
275 gacccaacac cgaaaaagga aaaaagaaa a aagcagcgcg t gatgttacac t gtcgcccc	420
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284 <212> TYPE: DNA	
285 <213> ORGANISM: Homo sapien	
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292 attactggat gggagcagtg tcaaagttaa gttgtaa gaggagat acaacatgtt	180
294 actgcagtc tcactgcaat aagattgaat aagtaaaaagg gacaacgact aaaagtttct	240
296 gtagaaatgg tctcatatga aaatcggtt gataacaata tttggcacat tattttttt	300
298 taaaattttac acctaataag agctaataaa ttatgtgtct ctgatgtca agggctgtg	360
300 cgaaaatgt aaaaacgaga tgcgttggg tagtgaagt aaaggatgca ctgactactc	420
302 agctgtatgt gacccggac cgagttgtt aagcatgtt atgacccctg gatgtgcct	480
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306 agagcataaa actgagcaaa tgcatttggaa aacatttattt gacccgcct ctggccat	600
308 ggcatttcac tggctactac taccaggcct t gaaatttgc agttagacaa attaagtaac	660
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325 gtgcaataaa atatgactca agtcaaccac atcctacttt caaaaagcct tcaccagaa	180
327 agggcccaac ttctcatcat ctgattcaga gaaacagaca t gtttagataa taatcccaga	240
329 gtaatttagtc ttccagcaag atgaagacta tttgtctgtc ttattcaaat tccacagtct	300
331 tgattactat cgtttataaa gtcctaaaat tagtaatgt tagtccatcc attttattct	360

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333	tttcaaaagt	tttgtctatt	ctacaacttc	agcagttcca	tttgaagttt	agaatcagct	420
335	tgtcaatttc	taaaaaaaa	attgctggga	ttttgttaga	gattgcactg	aatctgtaga	480
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348	ctccagctt	gttactctt	ttcttgttt	ggctaattt	ggccccacaa	aattccaaat	120
350	aaatatttgg	ttaactttt	cctttttgc	aaaaaattgc	tgttgagaaa	ttgattgagg	180
352	ttgtattgac	tctgtaaata	agcaaaggat	actatggaca	tcttaactat	gttagtggc	240
354	caagccatga	acctggata	tcttctata	tatttgtgc	ttctgttaatt	tctttaaaa	300
356	atattttgt	gatttcagca	caccaagtct	ttcacctct	tggtagatt	tacatgtaa	360
358	tattttttt	ctctgttgc	ctattacaat	gaaatagttt	tgttaatttc	ctttactgat	420
360	tgtactat	tcatgtacag	aaatgcaact	gatttctca	tgttgattt	gcacctggca	480
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364	cattattgtt	ggggaggagt	gtttcttct	aatttcctac	ttataagatt	gtgcatactca	600
366	tgtacagaga	ttatttact	tttcccttc	cagtttagat	gtctttatt	tcttgcgt	660
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381	<223>	OTHER INFORMATION:	a, c, g or t				
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391	<221>	NAME/KEY:	misc_feature				
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393	<223>	OTHER INFORMATION:	a, c, g or t				
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401	cttggaaatcc	ggtttctaa	ggtccccccg	gcaagggtat	tccgcccgg	ggacaaagt	180
403	ggtgttctct	ttccaaaaaa	aaaaaaaaaa	aaaggcaact	ttgtctgtt	aattggggtt	240
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407	cctataacaac	ggaaattttt	aaattccctt	cctacattat	ttcatattgg	gcctttccct	360
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411	gtgattccca	attatcccc	aattaataag	gcgtgcctt	taaacatttt	tactatttgg	480
413	acgtcatttt	aantccttc	ttttcttta	aaacacttc	ttaagcgctt	actacaccat	540
415	tttaccat	tttaccat	ggcttaggcg	ccacgtggat	taanagaatt	tcataggtca	600
417	gcgggagaac	caacagctat	aaggccgaga	atttgcgttgc	agagatttc	cccatcaac	660

Use of n and/or Xaa has been detected in the Sequence Listing.

→ Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY
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Input Set : A:\dex-271.ST25.txt
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:458 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:761 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:840 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:916 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
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L:922 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
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L:1287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1753 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65